

Public-Private Partnerships in Washington



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P3 Workshop for Planners

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Overview

- Washington State's Approach to PPP's
- Unique Challenges
- Current Opportunities in the Pacific Northwest Region

Washington's *PPP Act: Transportation Innovative Partnerships*

Key Elements:

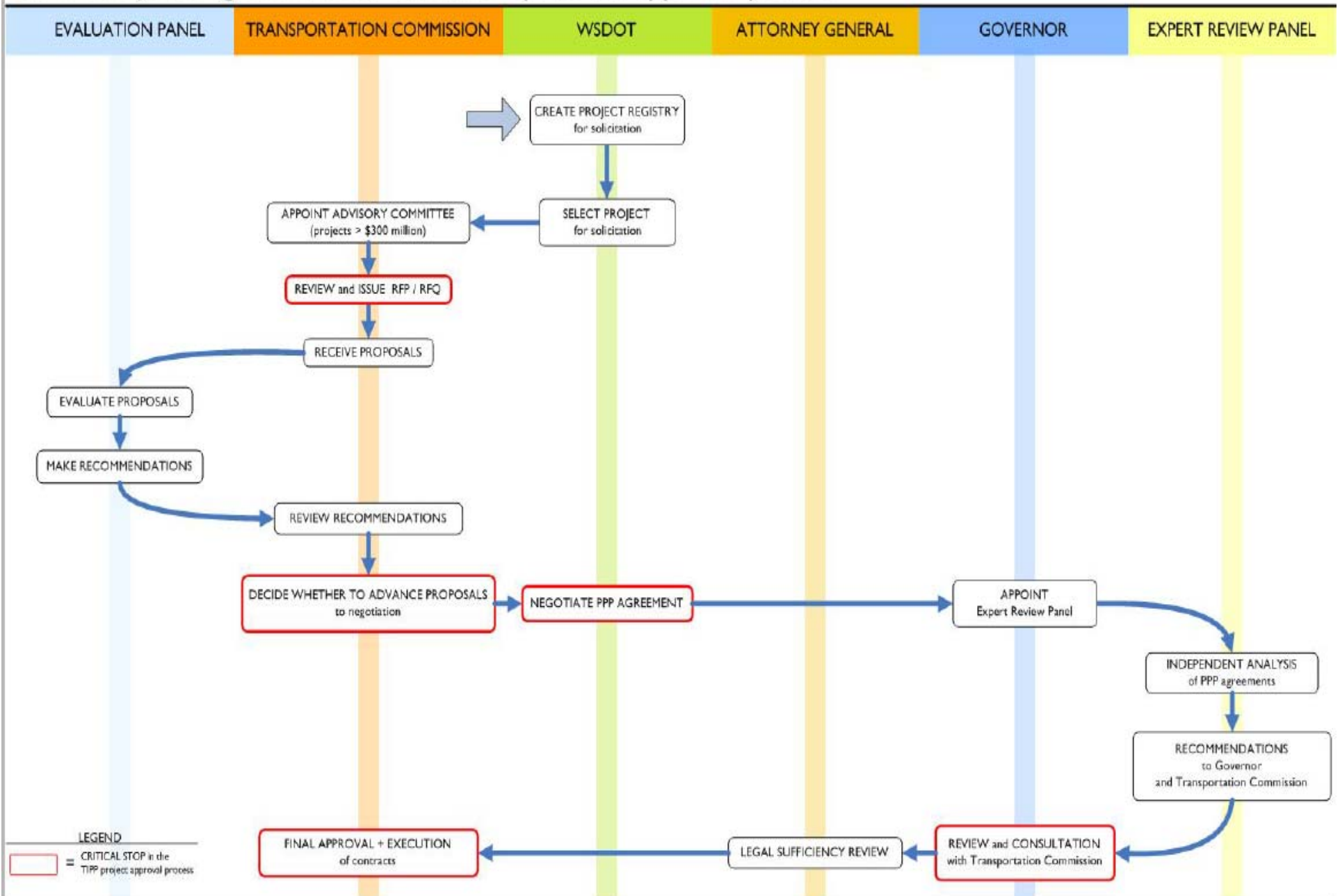
- Public sector owner will decide highest-priority projects for PPP development (project registry)
- State highway toll projects must be financed with state bonds
- Legislative approval is (effectively) required for toll projects

WSDOT P3 Process Map

Handwritten mathematical notes on a grid background, featuring various diagrams and equations:

- Top Left:** A sphere with a grid of latitude and longitude lines. Equations include $(t = \cos x)$, $(t = \sin x)$, $\frac{3x^2}{e^x} = 0$, and $\frac{1}{\sqrt{1 - (\frac{2x^2}{1-x^2})^2}}$.
- Top Center:** A diagram of a sphere with a vertical line through its center. Equations include $\cos 3x = \frac{3 \cos x - 4 \cos^3 x}{3x}$, $\int_x \operatorname{ch}^2 x dx$, $\operatorname{ch}^2 x + \frac{1}{2}(\operatorname{ch} 2x + 1)$, $\int \operatorname{ch}^2 x dx = \operatorname{ch} x - \ln|\cos x| - C$, and $\operatorname{sh} x$.
- Top Right:** A diagram of a sphere with a vertical line through its center. Equations include $\int \frac{1}{\cos 2t \sin 2t} dt$, $y' = 2 \cdot 2x \cdot \ln 2$, $\int \operatorname{Archt} = \ln\left(\frac{1+t}{1-t}\right) + \frac{1}{2}x - C$, and $\operatorname{sh} 2x$.
- Middle Left:** A diagram of a triangle with sides labeled a, b, c and angles α, β, γ . Equations include $\lim_{x \rightarrow +\infty} \frac{x^3}{e^{2x}} = \frac{\infty}{\infty} \Rightarrow$ and $\int \operatorname{tg} 2x = \frac{1}{\cos^2 x} = \frac{1}{2 \cos^2 x}$.
- Middle Center:** A diagram of a pyramid. Equations include $\int_x = \int \frac{1}{2}(\operatorname{ch} ax - 1) dx = \frac{1}{4} \operatorname{sh} 2x dx$, $\operatorname{sh} x \rightarrow t$, $\operatorname{ch} x = \frac{1+t^2}{1-t^2}$, $\operatorname{th} \frac{x}{2} = t$, and $\operatorname{arcsin} \frac{2x}{1-x^2}$.
- Middle Right:** A diagram of a sphere with a vertical line through its center. Equations include $\int \frac{1}{2 \cos^2 x}$, $\int \frac{3 \cos x}{1} dx = \frac{1}{4} \operatorname{sh} 2x dx$, $\operatorname{ch} 2x - 1$, $\mu + 1$, and $\int \frac{2x^2}{1-x^2}$.
- Bottom Left:** A diagram of a triangle with sides labeled a, b, c and angles α, β, γ . Equations include $\int \operatorname{tg} x dx \Rightarrow \int \frac{\sin x}{\cos x} dx = \frac{\sin x dx}{\cos x}$, $\frac{dx}{A^2 \sin^2 x + B^2 \cos^2 x}$, $\int \frac{1}{2} \left[\frac{\sin(m-n)x}{m-n} - \int \frac{t dt}{t} \right]$, $\int \frac{1}{t} = -\ln|t| - C$, $\operatorname{arctg} \sin x - C$, $\int \sin^2 x \sin x dx$, $\int \cos^2 x dx = \frac{\sin(m-n)x}{m-n}$, $\int \frac{1}{t} = -\ln|t| - C$, $\operatorname{arctg} \sin x - C$, $\int \frac{1}{t} = -\ln|t| - C$, $\operatorname{arctg} \sin x - C$, $\int \frac{1}{t} = -\ln|t| - C$, $\operatorname{arctg} \sin x - C$.
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TIPP Project Agreements: Critical stops in the approval process



Current Body of Work

- Colman Dock (Seattle) Ferry Terminal
- Anacortes Ferry Terminal
- Kingsgate Park and Ride (Kirkland, WA)
- US Trestle



2 - Key Takeaways

- P3s financed by the private sector allow the spreading of the project cost for the public over a longer period of time.
- Optimizing lifecycle costs, in a well-designed P3 contract, both construction and rehabilitation-maintenance tasks are taken into account over a long period. The contractor is thus able to balance expenditure over the project life and make effective trade-offs between investment, maintenance and operation costs.



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